

(FILE 'HOME' ENTERED AT 12:22:02 ON 08 OCT 2003)

FILE 'REGISTRY' ENTERED AT 12:22:26 ON 08 OCT 2003

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 STRUCTURE UPLOADED
L4 STRUCTURE UPLOADED
L5 STRUCTURE UPLOADED
L6 STRUCTURE UPLOADED
L7 0 S L6 AND L5 AND L4 SSS SAM
L8 1 S L6 AND L5 AND L4 SSS FULL
L9 0 S L6 AND L5 AND L3 SSS SAM
L10 0 S L6 AND L5 AND L3 SSS FULL
L11 0 S L1 AND L2 AND L5 SSS SAM
L12 0 S L1 AND L2 AND L5 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:29:43 ON 08 OCT 2003

L13 1 S L8

FILE 'REGISTRY' ENTERED AT 12:30:17 ON 08 OCT 2003

FILE 'CAPLUS' ENTERED AT 12:30:40 ON 08 OCT 2003

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 12:31:38 ON 08 OCT 2003

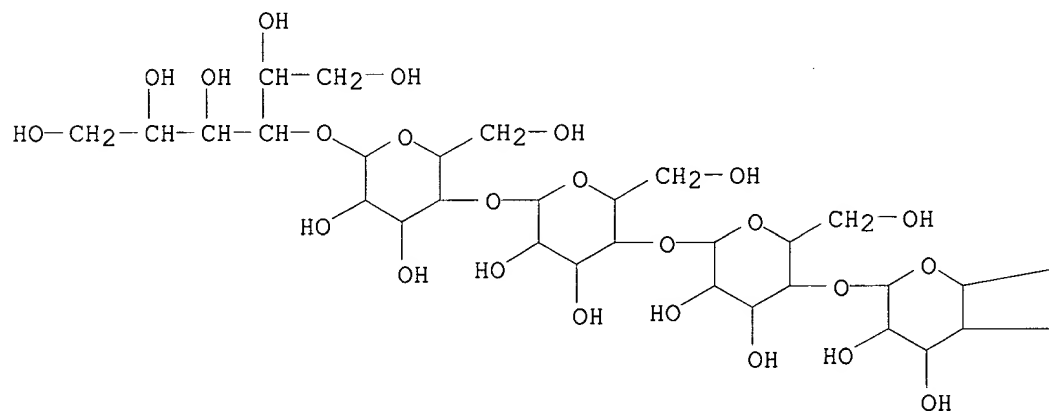
L14 1 S L8

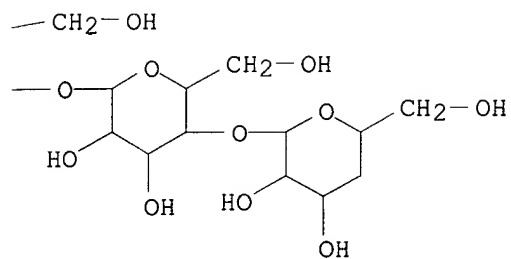
FILE 'REGISTRY' ENTERED AT 12:39:24 ON 08 OCT 2003

 E "GLUCONIC ACID"/CN 25
L15 2 S E3

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1995:183279 CAPLUS
 DN 122:265808
 TI Synthesis and Reactivity of 6-.beta.-Cyclodextrin Monoaldehyde: An Electrophilic Cyclodextrin for the Derivatization of Macromolecules under Mild Conditions
 AU Huff, Jeffrey B.; Bieniarz, Christopher
 CS Department of Immunochemistry, Abbott Laboratories, Abbott Park, IL, 60064, USA
 SO Journal of Organic Chemistry (1994), 59(24), 7511-16
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 AB The monoaldehyde of .beta.-cyclodextrin was synthesized directly from the corresponding 6-monotosylate. A DMSO based oxidn. of the tosylate was employed using catalytic amts. of hindered amine bases. This route to 6-.beta.-cyclodextrin monoaldehyde enables the convenient synthesis of an electrophilic cyclodextrin deriv. which is water sol. and readily attachable to amines or hydrazines in aq. soln. under facile conditions. Hydrazone formation and the .beta.-elimination reactions of 6-.beta.-cyclodextrin aldehyde in the presence of several org. bases are also discussed.
 IT **162545-81-5P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis and reactivity of cyclodextrin monoaldehyde)
 RN 162545-81-5 CAPLUS
 CN D-Glucitol, O-4-deoxy-.alpha.-D-xylo-hexopyranosyl-(1.fwdarw.4)-O-.alpha.-D-glucopyranosyl-(1.fwdarw.4)-O-.alpha.-D-glucopyranosyl-(1.fwdarw.4)-O-.alpha.-D-glucopyranosyl-(1.fwdarw.4)-O-.alpha.-D-glucopyranosyl-(1.fwdarw.4)- (9CI) (CA INDEX NAME)

PAGE 1-A





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